CLAIM AMENDMENTS

<u>IN THE CLAIMS</u>

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

Claims 1-22 (Cancelled).

Claims 23-24 (**Cancelled**).

Claim 25 (**Currently Amended**): The method according to claim [[24]] <u>26</u>, further comprising including with the at least one further <u>**of the**</u> control parameter<u>s</u> [[the]] <u>a</u> channel number of the one of the plurality of different time channels, in which the data packet in question is sent.

Claim 26 (**Currently Amended**): ~~The method according to claim 24, further comprising~~ <u>**A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:**</u>

<u>**providing with the control parameters a packet number for identifying a data packet;**</u>

<u>**source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;**</u>

<u>**transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;**</u>

<u>**implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets;**</u>

<u>**re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device; and**</u>

using at most so many different ones of the **plurality of different** time channels such that a sum of transmission time intervals of the different ones of the **plurality of different** time channels covers a round-trip time span at the end of which a re-transmission after a previous transmission can take place at the earliest on a specific one of the plurality of different time channels.

Claim 27 (**Currently Amended**): The method according to claim [[24]] **26**, wherein a number of re-transmissions of [[a]] **the** data packet are superimposed to decode [[a]] **the** data packet.

Claim 28 (**Currently Amended**): The method according to claim 27, wherein an incremental redundancy method is used during the data **packet** transmission and **the** at least one further **of the** control parameter**s** includes a redundancy version indicator.

Claim 29 (**Currently Amended**): The method according to claim [[24]] **26**, wherein the data **packet** transmission takes place by means of a multi-channel HARQ transmission method and **the** at least one further **of the** control parameter**s** includes an HARQ parameter.

Claim 30 (**Currently Amended**): The method according to claim [[24]] **26**, wherein different numbers of packet numbers are assigned to different time channels, which are available for identifying [[a]] **the** data packet on the time channel in question.

Claim 31 (**Currently Amended**): ~~The method according to claim 28,~~ A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets; and

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device;

wherein a number of re-transmissions of the data packet are superimposed to decode the data packet;

wherein an incremental redundancy method is used during the data packet transmission and the at least one further of the control parameters includes a redundancy version indicator;

wherein different numbers of redundancy version indicators are assigned to different time channels of the **plurality of different** time channels, which are available for signaling the redundancy version of [[a]] **the** data packet transmission on the time channel.

Claim 32 (**Currently Amended**): The method according to claim [[24]] **31**, wherein [[the]] **at least one of a** number of packet numbers ~~and/or~~ **and a** number of redundancy version indicators of at least one of the **plurality of different** time channels **are varied** ~~is/are variable~~.

Claim 33 (Previously Presented): The method according to claim 32, wherein the number of redundancy version indicators of the time channel in question is modified according to a predefined sequence at specific time intervals.

Claim 34 (**Currently Amended**): The method according to claim [[24]] **31**, wherein [[the]] **at least one of a** number of packet numbers **and/or- and a** number of redundancy version indicators of at least one of the **plurality of different** time channels **is/are are** selected in each instance as a function of the current transmission situation.

Claim 35 (**Currently Amended**): The method according to claim [[23]] **31**, wherein transmission resources are allocated to a specific transmitting device taking into account **at least one of** [[the]] **a** number of **different** time channels used by the device in question**,** **and/or the numbers a number** of packet numbers**, and a number and/or numbers** of the redundancy version indicators of the different time channels of the **specific transmitting** device in question.

Claim 36 (**Currently Amended**): ~~The method according to claim 30,~~ <u>A method</u>
<u>for transmitting control parameters on a physical channel between a mobile radio</u>
<u>device and a base station in a cellular network, comprising:</u>

<u>providing with the control parameters a packet number for identifying a data</u>
<u>packet;</u>

<u>source coding, via a source coding device, the packet number together with at</u>
<u>least one further of the control parameters for the transmission, wherein the control</u>
<u>parameters are used for controlling a packet-oriented data transmission between the</u>
<u>mobile radio device and the base station;</u>

<u>transmitting, via a transmission device, the at least one further of the control</u>
<u>parameters and the packet number between the mobile radio device and the base</u>
<u>station;</u>

<u>implementing by a temporal distribution of the same physical channel, a</u>
<u>plurality of different time channels available for sending data packets; and</u>

<u>re-transmitting a data packet on one of the plurality of different time channels</u>
<u>using the transmitting device in each instance, until the transmitting device receives a</u>
<u>confirmation signal from a receiving device;</u>

<u>wherein different numbers of packet numbers are assigned to different time</u>
<u>channels, which are available for identifying the data packet on the time channel in</u>
<u>question;</u>

wherein during selection of the one of the plurality of different time channels for a
pending transmission of [[a]] <u>the</u> data packet, the plurality of <u>different</u> time channels are
prioritized according to their numbers of packet numbers.

Claim 37 (**Currently Amended**): The method according to claim [[24]] <u>36</u>, wherein
a packet number distribution function, which defines ~~the numbers~~ <u>a number</u> of packet
numbers assigned to [[the]] individual time channels <u>in the plurality of different time</u>
<u>channels</u>, is a monotonously increasing or monotonously decreasing function <u>with respect to</u>
~~in respect of the~~ channel numbers of [[the]] available time channels.

Claim 38 (**Currently Amended**): The method according to claim [[24]] <u>36</u>, wherein
[[the]] one of the plurality of time channels is selected for [[a]] <u>the</u> pending transmission of

[[a]] **the** data packet according to a specific selection rule, taking into account when different combinations of channel numbers and packet numbers were last used.

Claim 39 (**Currently Amended**): The method according to claim [[24]] **36**, wherein a time channel is selected for [[a]] **the** pending transmission of [[a]] **the** data packet taking into account temporal information relating to transmissions to date on the different time channels **of the plurality of different time channels**.

Claim 40 (**Currently Amended**): The method according to claim 39, wherein [[the]] one of the plurality of **different** time channels is selected for [[a]] **the** pending transmission of [[a]] **the** data packet taking into account [[the]] use times to date of the different time channels **of the plurality of different time channels**.

Claims 41-44 (**Cancelled**).